

Title (en)

Multi X-ray generator and multi X-ray imaging apparatus

Title (de)

Mehrfach-Röntgenstrahlgenerator und Mehrfach-Röntgenbildgebungsanordnung

Title (fr)

Générateur de rayons X multiples et appareil d'imagerie de rayons X multiples

Publication

EP 2573791 A3 20130731 (EN)

Application

EP 12005367 A 20070302

Priority

- EP 07715172 A 20070302
- JP 2006057846 A 20060303
- JP 2007050942 A 20070301

Abstract (en)

[origin: EP1995757A1] A compact apparatus can form multi X-ray beams with good controllability. Electron beams (e) emitted from electron emission elements (15) of a multi electron beam generating unit (12) receive the lens effect of a lens electrode (19). The resultant electron beams are accelerated to the final potential level by portions of a transmission-type target portion (13) of an anode electrode (20). The multi X-ray beams (x) generated by the transmission-type target portion (13) pass through an X-ray shielding plate (23) and X-ray extraction portions (24) in a vacuum chamber and are extracted from the X-ray extraction windows (27) of a wall portion (25) into the atmosphere.

IPC 8 full level

H01J 35/08 (2006.01); **H01J 35/06** (2006.01); **H01J 35/16** (2006.01); **H01J 35/18** (2006.01)

CPC (source: EP KR US)

H01J 35/065 (2013.01 - EP KR US); **H01J 35/116** (2019.04 - KR); **H01J 35/12** (2013.01 - KR); **H01J 35/16** (2013.01 - EP US); **H01J 35/18** (2013.01 - EP KR US); **H01J 35/116** (2019.04 - EP US); **H01J 2235/062** (2013.01 - EP KR US); **H01J 2235/068** (2013.01 - EP KR US); **H01J 2235/166** (2013.01 - EP KR US); **H01J 2235/168** (2013.01 - EP KR US)

Citation (search report)

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Designated contracting state (EPC)

AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LI LT LU LV MC MT NL PL PT RO SE SI SK TR

DOCDB simple family (publication)

EP 1995757 A1 20081126; **EP 1995757 A4 20100414**; **EP 1995757 B1 20130619**; BR PI0708509 A2 20110531; BR PI0708509 B1 20190402; BR PI0708509 B8 20210727; CN 101395691 A 20090325; CN 101395691 B 20110316; CN 102129948 A 20110720; CN 102129948 B 20130213; EP 2573791 A2 20130327; EP 2573791 A3 20130731; EP 2573791 B1 20160302; JP 2007265981 A 20071011; JP 4878311 B2 20120215; KR 101113092 B1 20120314; KR 101113093 B1 20120313; KR 20080095295 A 20081028; KR 20110005726 A 20110118; RU 2388103 C1 20100427; US 2009316860 A1 20091224; US 2010329429 A1 20101230; US 2011085641 A1 20110414; US 2012140895 A1 20120607; US 7873146 B2 20110118; US 7889844 B2 20110215; US 8139716 B2 20120320; US 8861682 B2 20141014; WO 2007100105 A1 20070907

DOCDB simple family (application)

EP 07715172 A 20070302; BR PI0708509 A 20070302; CN 200780007029 A 20070302; CN 201110028027 A 20070302; EP 12005367 A 20070302; JP 2007050942 A 20070301; JP 2007054090 W 20070302; KR 20087022668 A 20070302; KR 20107026906 A 20070302; RU 2008139289 A 20070302; US 201213370478 A 20120210; US 28145307 A 20070302; US 87574510 A 20100903; US 97184910 A 20101217